

Fig.1.

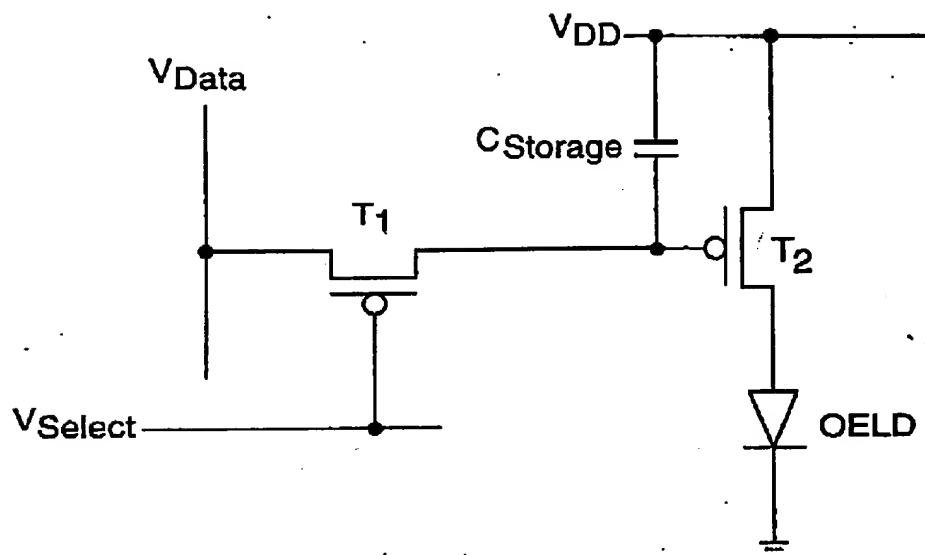


Fig.2.

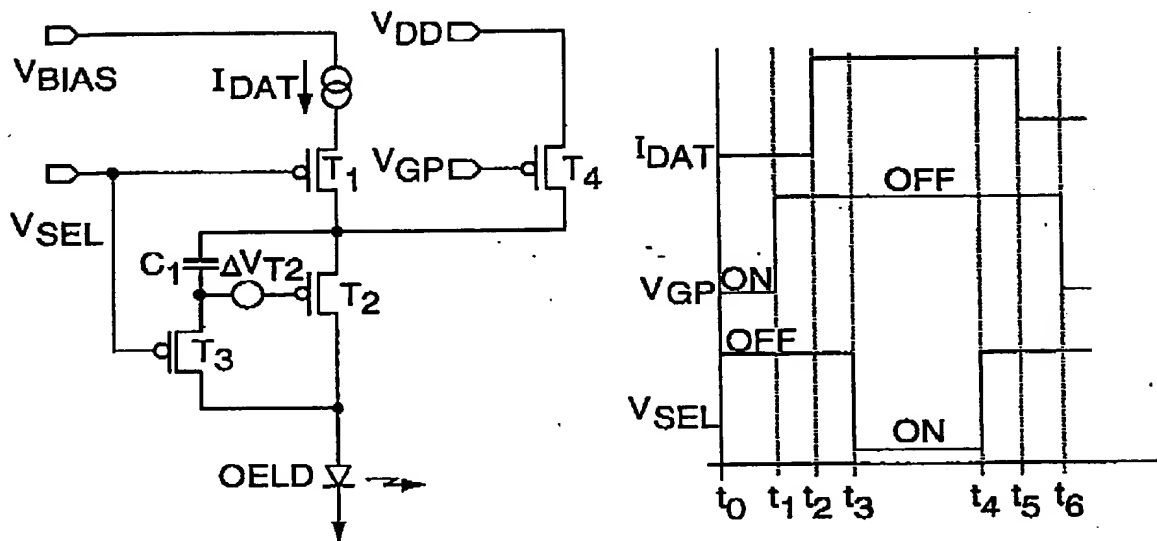


Fig.3.

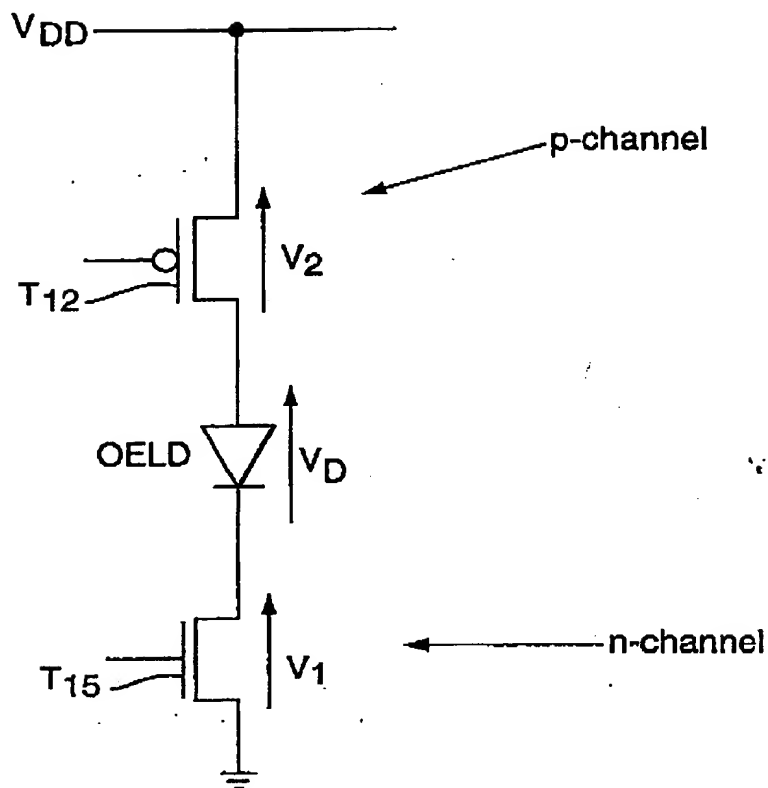


Fig.4.

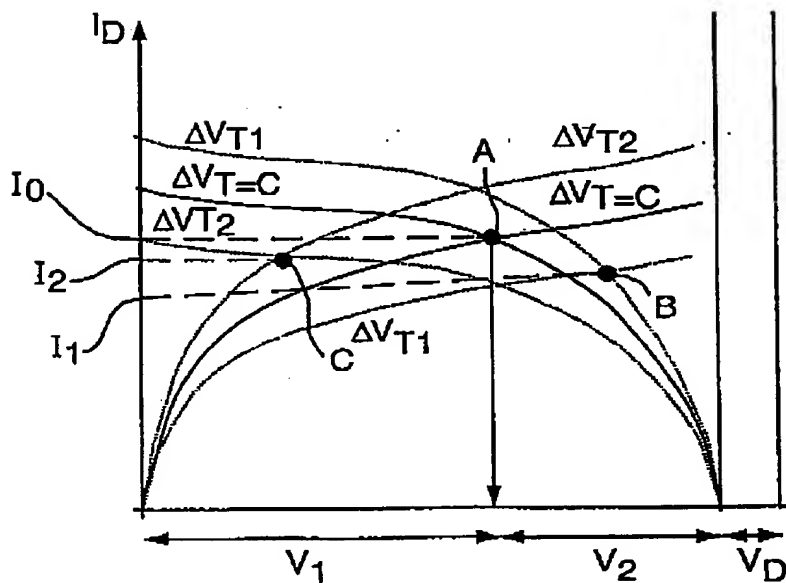


Fig.5.

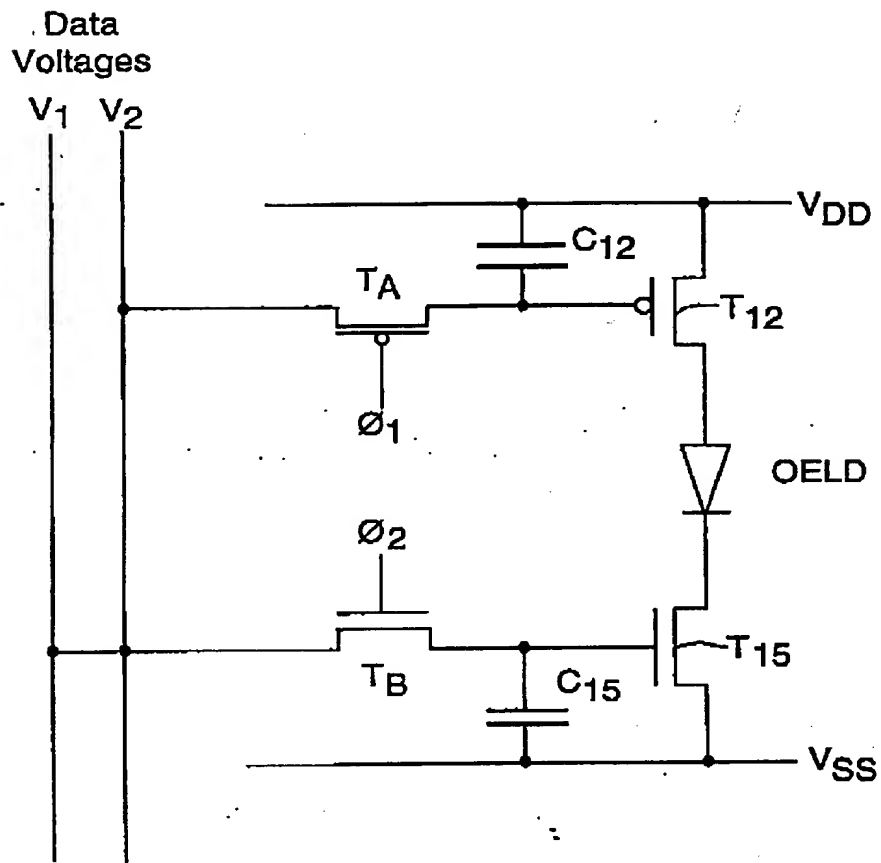
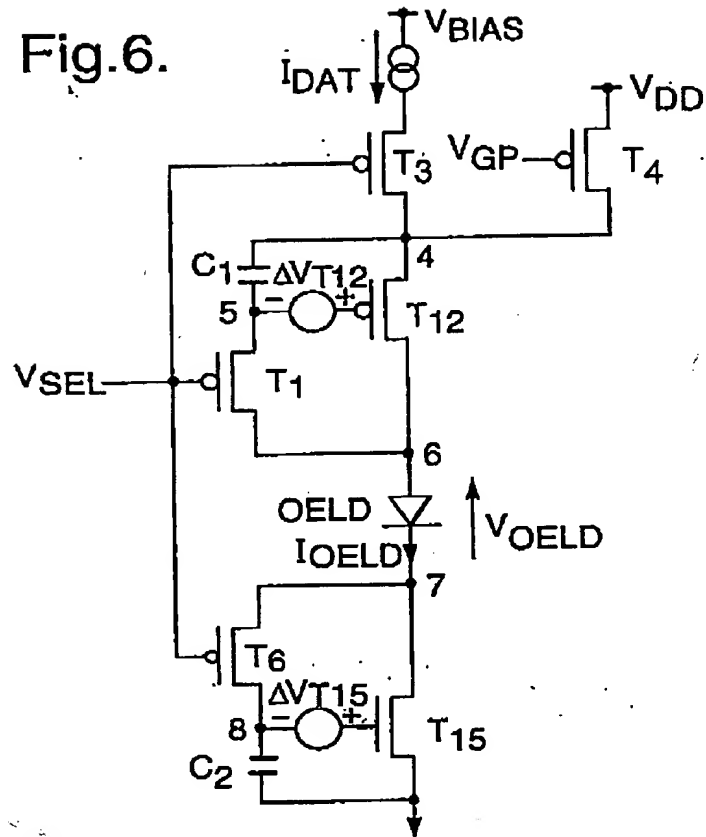


Fig.6.



DRIVING WAVEFORM

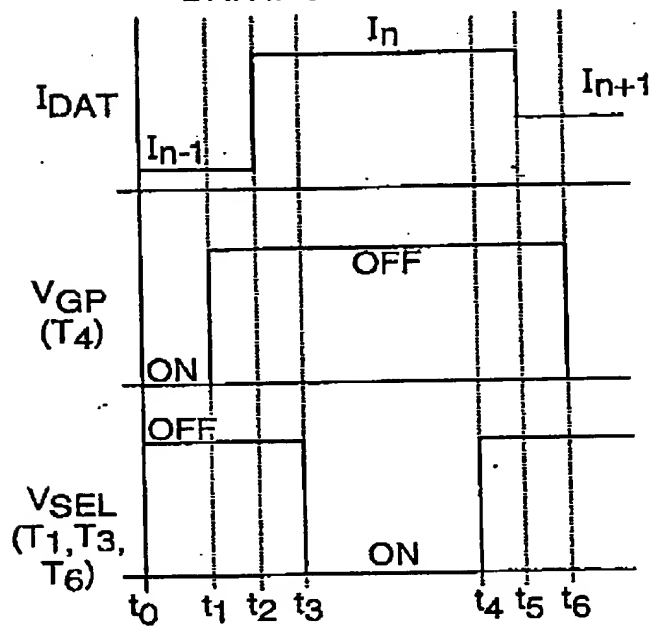


Fig.7.

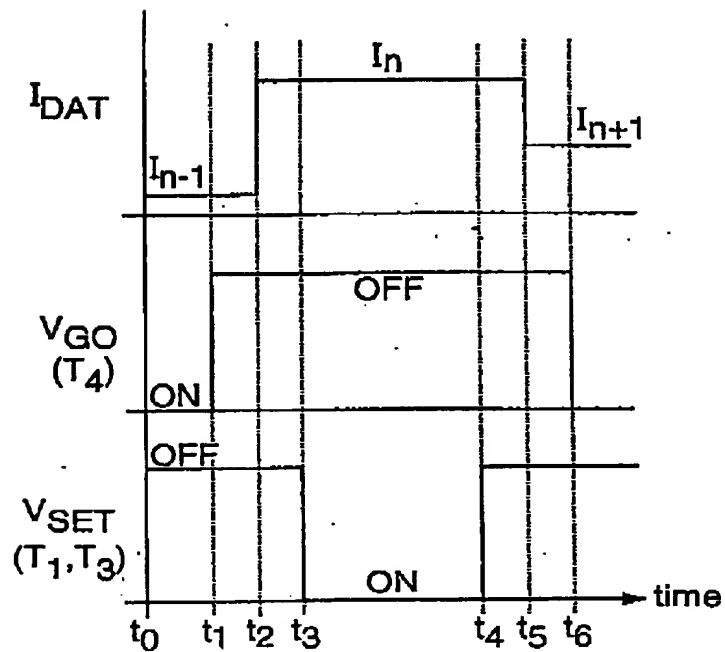
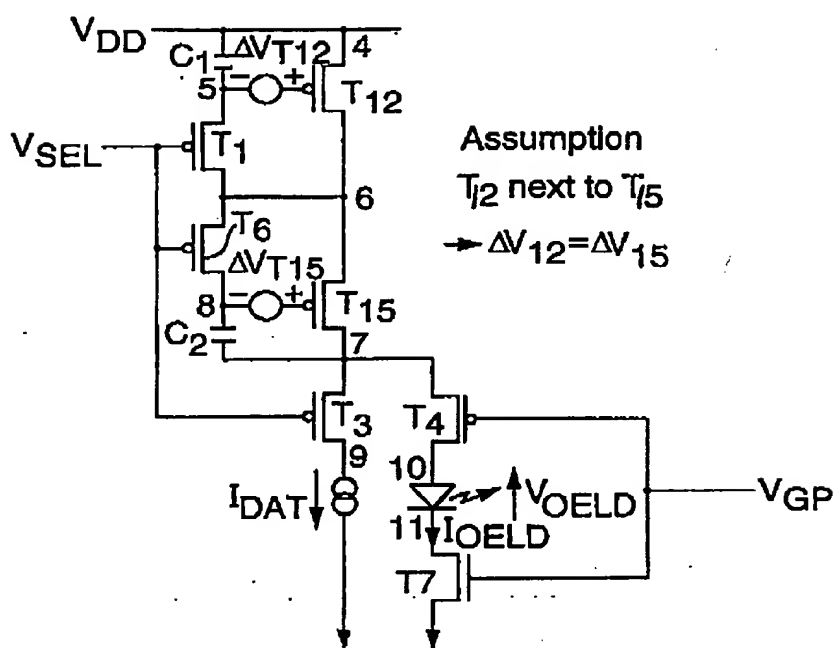


Fig.8.

SPICE Simulation Result

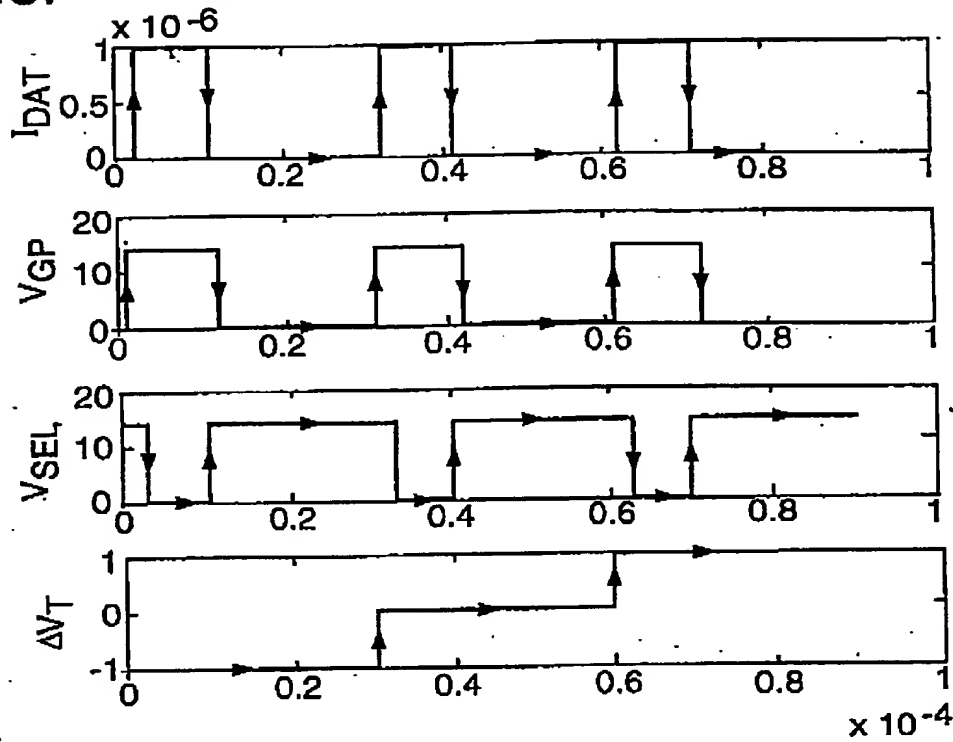
 $(V_{DD}=12.5V, I_{DAT}=1\mu A)$ 

Fig.9.

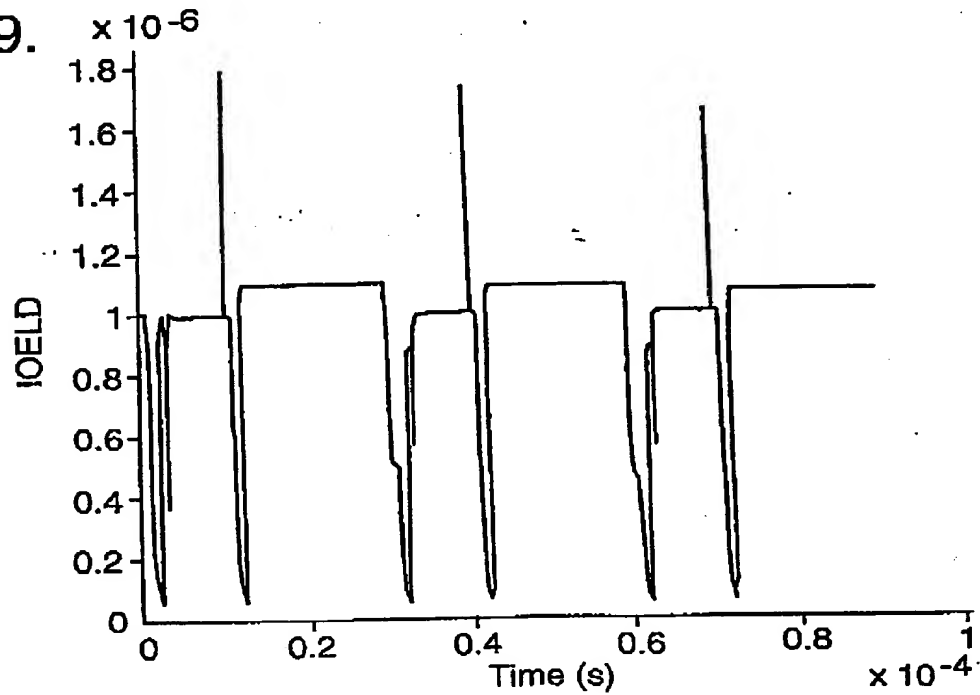


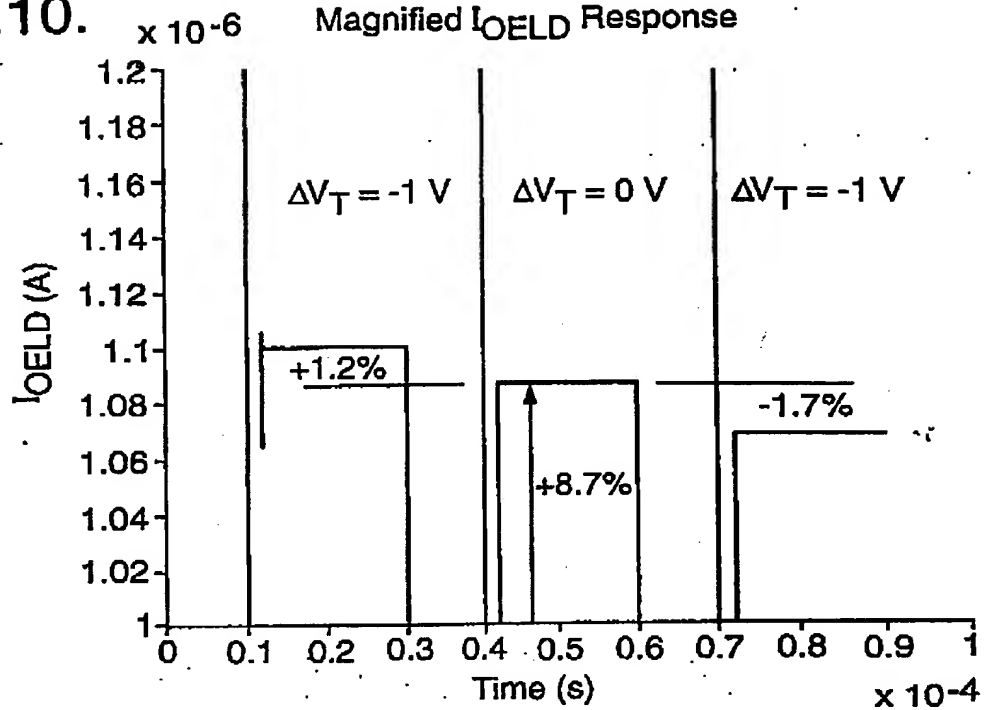
Fig.10. Magnified  $I_{OELD}$  Response

Fig.11.

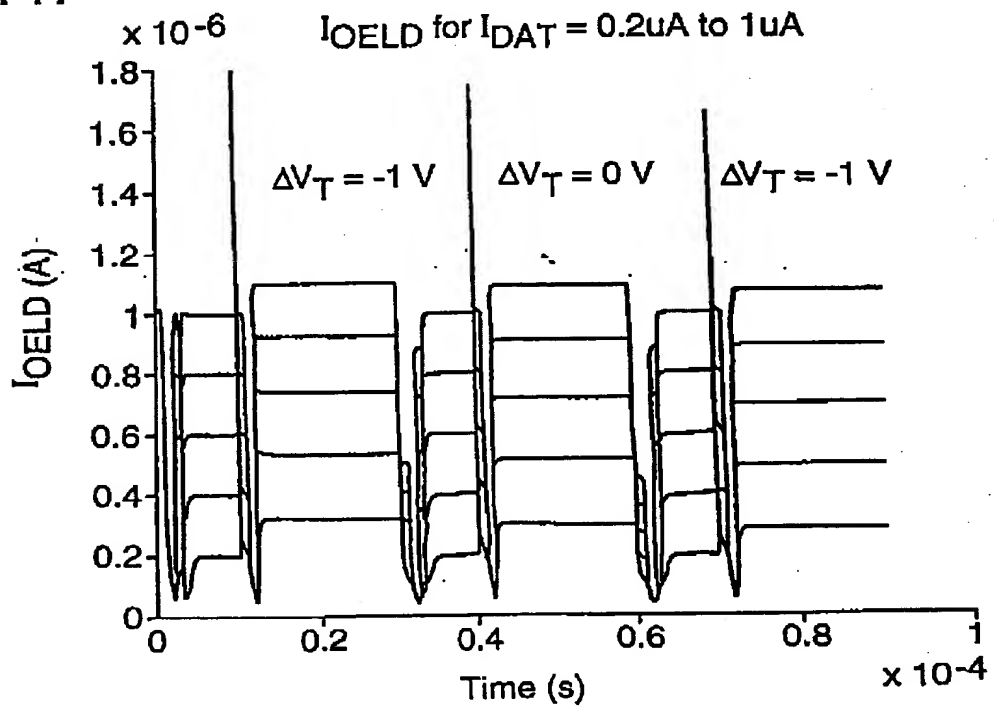


Figure 12

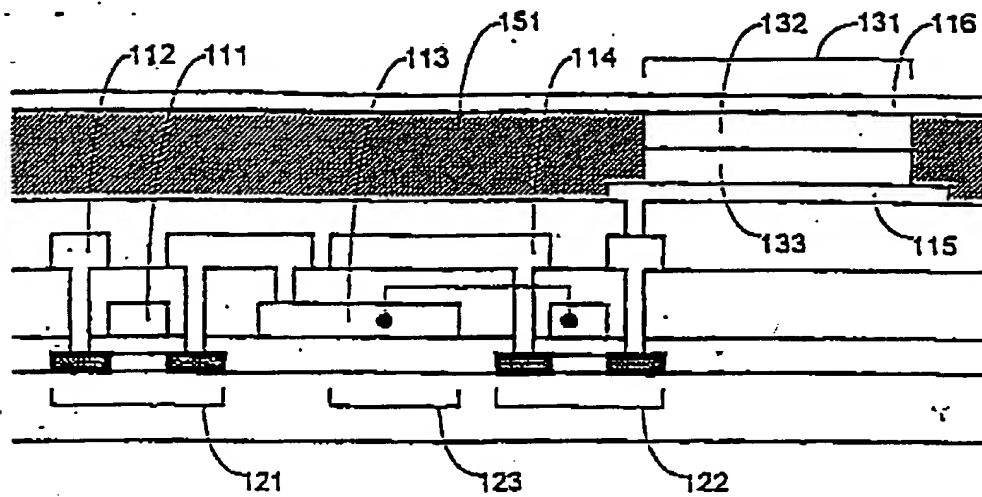


Figure 13

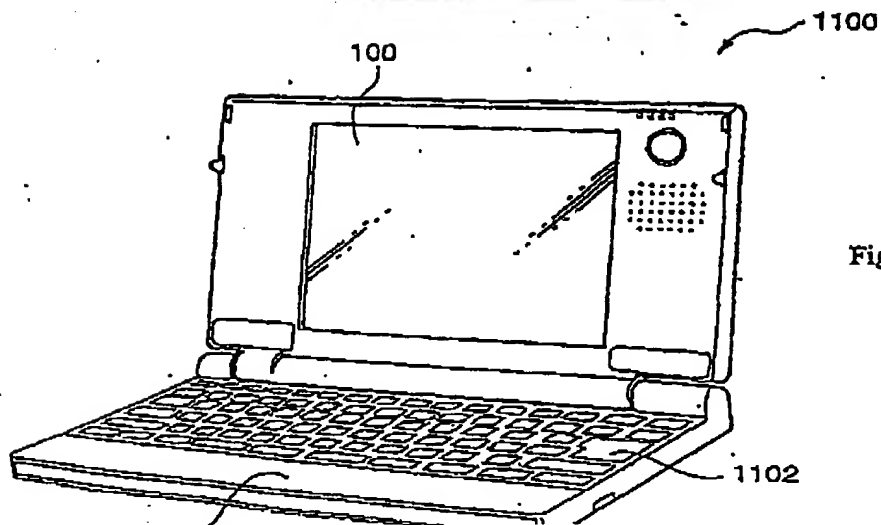
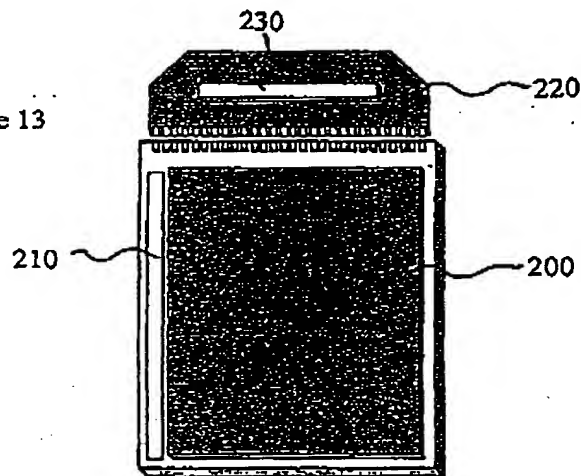


Figure 14





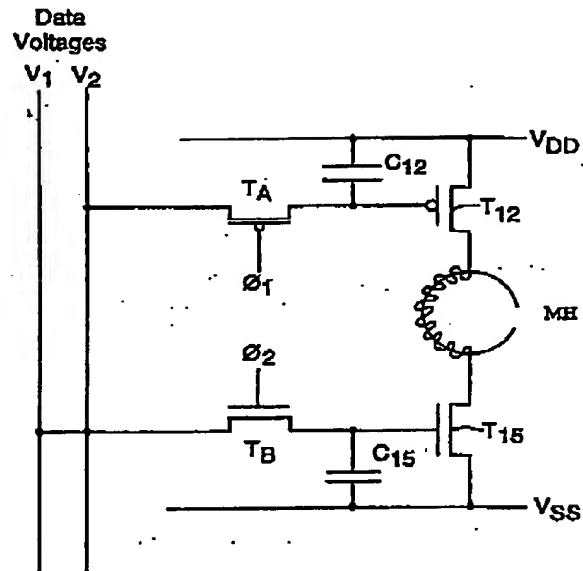


Figure 17

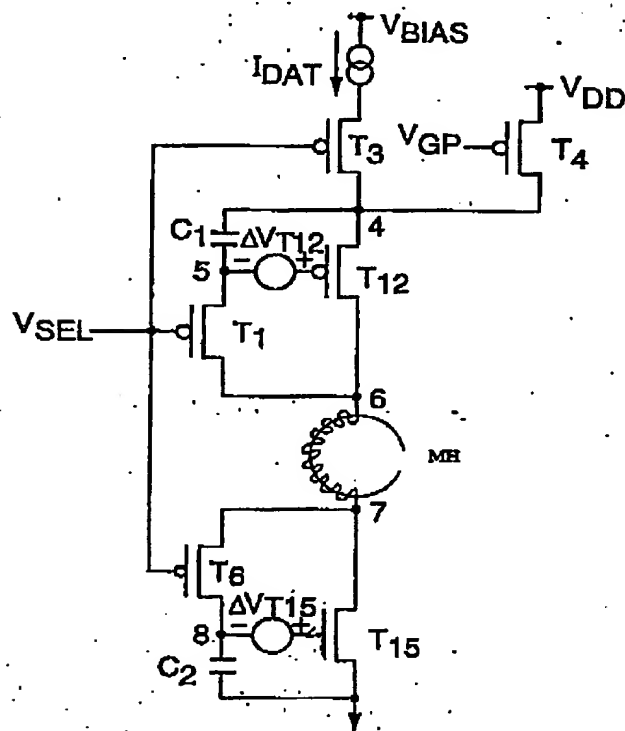


Figure 18

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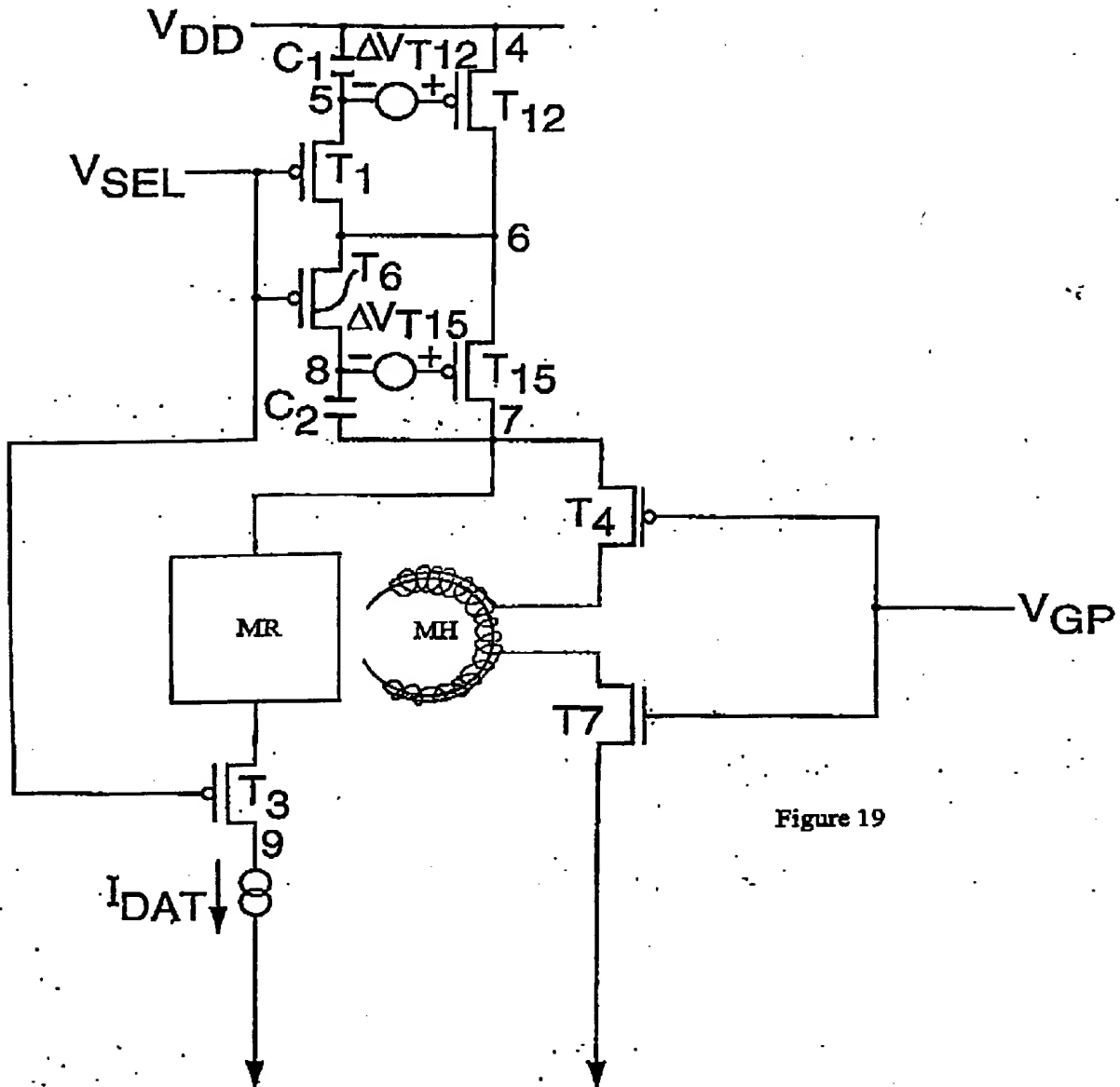


Figure 19